LANTA
PROFESSIONAL LIGHTING

Owner Handbook

AURORA

Aurora 12T™

Tri-colour Outdoor Spot

About Lanta Lighting™

Based in the UK, Lanta are committed to providing high quality products at cost-effective prices to the professional lighting market. Since the first product was launched in 2006, Lanta has established a reputation for reliability, common sense design and customer support that has become the envy of others.

The Lanta Lighting range includes:-

Professional Lighting

Focussing on the use of LED technology, Lanta offer distinctive lighting effects for install and mobile applications. From washes to floods, spots to projectors, LED technology now outperforms traditional lights while at the same time requiring significantly lower power and generating far less unwanted heat.

Performance Lasers

Recent advances have reduced the costs of Lasers, made them more portable and brought improved performance and reliability. With step and animation lasers in multi and single colour formats for mobile DJs and static installs, Lanta promise Lasers that won't burn a hole in your pocket.

Atmospheric Effects

When you need special atmospherics effects, Lanta have everything from bubble machines to fake flame, hazers and foggers. There's also a range of fluids and consumables specially designed to get the best from the range.

Control Gear

Lightweight and portable, Lanta Control Gear is robust enough to survive life on the road and smart enough to control DMX kit whatever the venue.

Visit us at www.lantalighting.com for more details.

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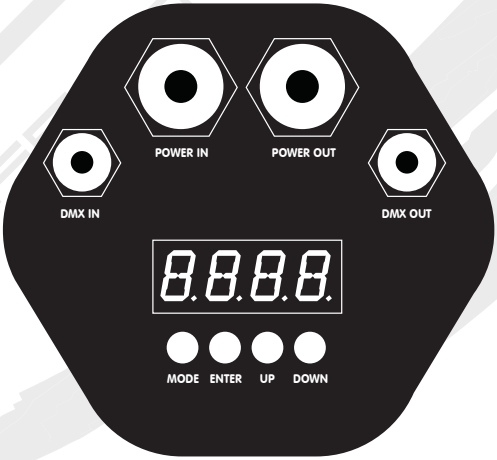
Getting to know your Lanta Product

Dazzling and robust, the Lanta Aurora 12T™ is a tri-colour Outdoor Spot designed to enhance external features such as hotels, monuments, gardens and office blocks. Powerful LEDs need little maintenance and with low power requirements are both environmentally and commercially friendly. A mouthwatering range of pre-set RGB colour mixes and chases are included onboard, or as you'd expect, DMX signals are fully supported from remote control gear. In short, the Aurora 12T can be quickly installed, easily configured and run with the minimum of fuss.

LEDs	12 Tri-colour 3w LEDs
DMX Control	3, 5, or 8 Channel
Control Connections	3 Pin Female trailing socket, 3 Pin Male trailing socket
Power Requirement	240 Volt AC 50/60Hz
Power Consumption	60 Watts
Dimensions W x D x H	184mm x 184mm x 170mm
Weight	3.5Kg
Ingress Protection	IP65



Rear Panel

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Operating Modes

Four distinct operating modes are supported by the unit.

1- In-built Program Mode

One of the 10 in-built Program Effects are run. In this mode the LED Display will show values from "Pr01" to "Pr10". Effects are;

LED Display	Effect
Pr01	Static RGB Colour
Pr02	7 Colour Fade
Pr03	3 Colour Fade
Pr04	7 Colour Jump
Pr05	3 Colour Jump
Pr06	Change 1
Pr07	Change 2
Pr08	Red Fade
Pr09	Green Fade
Pr10	Blue Fade

Selecting a Program

Pressing "MODE" changes the LED display to "PRxx". Programs can be selected with the "UP" and "DOWN" buttons between "Pr01" and "Pr10".

Setting Master Dimming (Pr01 Only)

In Static Colour Mode, pressing "SETUP" changes the LED display to "FS". Master Dimming can be set with the "UP" and "DOWN" buttons between "FA00" (Dimmest) and "FA99" (Brightest).

Setting Program Speed (Pr02 to Pr09)

Pressing "SETUP" changes the LED display to "SP01" (for program speed). Speed can be set with the "UP" and "DOWN" buttons between "SP01" (slowest) and "SP100" (fastest).

Setting Flash Frequency (Pr02 to Pr09)

Pressing "SETUP" changes the LED display to "FS" (for flash frequency). Frequency can be set with the "UP" and "DOWN" buttons between "FA00" (slowest) and "FA99" (fastest).

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2- Auto Run Mode

Selecting Auto Run Mode
Pressing "MODE" changes the LED display to "AUTO".

Setting Run Speed
Pressing "SETUP" changes the LED display to "SP01" (for run speed). Speed can be set with the "UP" and "DOWN" buttons between "SP01" (slowest) and "SP100" (fastest).

Setting Flash Frequency
Pressing "SETUP" changes the LED display to "FS" (for flash frequency). Frequency can be set with the "UP" and "DOWN" buttons between "FA00" (slowest) and "FA99" (fastest).

Setting Fade Frequency
Pressing "SETUP" changes the LED display to "FD" (for fade frequency). Frequency can be set with the "UP" and "DOWN" buttons between "FD00" (slowest) and "FD99" (fastest).

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3- Slave Mode

The unit will run in synch with another unit that has been set as the Master unit. To select, use the "MODE" button and choose "SLAv".

4- DMX Mode

The unit supports 3 distinct DMX control modes from a standard desk.

Setting DMX Addresses

Use the "MODE" button to display "d.xxx". Use "UP" and "DOWN" buttons allows individual DMX addresses to be set from "d.001" to "d.512".

Choosing between DMX Modes

The LED display shows the chosen control mode when the "SETUP" button is pressed. Use "UP" and "DOWN" buttons to choose the appropriate DMX control mode.

LED Display shows	DMX Control Mode
d-P2	3 Channel
d-P3	5 Channel
d-P1	8 Channel

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DMX Control Channel Settings

3 Channel DMX

	Channel 1	Channel 2	Channel 3
	Red	**Green**	**Blue**
0-99	Off	Off	Off
100-150	↕	↕	↕
151-200	↕	↕	↕
201-255	Full On	Full On	Full On

4 Channel DMX

	Channel 1	Channel 2	Channel 3	Channel 4
	Master Dimming	**Red**	**Green**	**Blue**
0-99	Off	Off	Off	Off
100-150	↕	↕	↕	↕
151-200	↕	↕	↕	↕
201-255	Full On	Full On	Full On	Full On

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DMX Control Channel Settings

8 Channel DMX

	Ch1	Ch2A	Ch3	Ch4	Ch5
	Master Dimming	**Red Dimming**	**Green Dimming**	**Blue Dimming**	**Strobe**
0-9	Off	Off	Off	Off	Off
10-99	Off	Off	Off	Off	Slow
100-150	↕	↕	↕	↕	↕
151-200	↕	↕	↕	↕	↕
201-255	Full On	Full On	Full On	Full On	Fast

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DMX Control Channel Settings

8 Channel DMX (continued)

	Ch6	Ch7	Ch8[1]
	Program	Not Used	Fader Speed
0-9	Static Colour		Instant Response
10-24	Static Colour		Instant Response
25-49	7 Colour Fade		Instant Response
50-74	3 Colour Fade		Instant Response
75-99	7 Colour Jump		Instant Response
100-124	3 Colour Jump		Instant Response
125-149	Change 1		Instant Response
150-174	Change 2		Instant Response
175-199	Red Fade		Instant Response
200-224	Green Fade		Instant Response
225-250	Blue Fade		Instant Response
251-255	Blue Fade		Delayed Response

	Ch2B[2]
	Static Colour
0-8	R255
9-17	R255/G50
18-26	R255/G150
27-35	R255/G255
36-44	R200/G255
45-53	R100/G255
54-62	R40/G255
63-71	G255
72-80	G255/B50
81-89	G255/B150
90-98	G255/B255
99-107	G150/B255
108-116	G50/B255
117-125	B255
126-134	R50/B255
135-143	R150/B250
144-152	R255/B255
153-161	R220/B50
162-170	R150/G50/B100
171-179	R50/G180/B220
180-188	R50/G220/B100
189-197	R150/G220
198-206	R150/B220
207-215	G180/G220
216-224	G220/G50
225-233	R220/G100/B50
234-242	R220/G200/B100
243-251	R255/G200/B150
252-255	R220/G255/B255

[1] Channel 8 (Fader Speed) affects Channels 1, 2A, 3 and 4 only.
[2] Channel 2B (Static Colour) only available when Channel 6 DMX setting is from 0-24.

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For your Safety

- Follow all instructions to maintain Manufacturer Warranty and for your own safety.
- There are no user replacement parts inside the product. Do not open the product for any reason. This will invalidate your Manufacturer Warranty and may impair the safety features of the product.
- Do not use if the product if you suspect it has been damaged in any way, including being dropped, is malfunctioning, or has been exposed to liquids or moisture. The unit must be repaired by an authorised service centre only. Manufacturer Warranty is void if unit is opened or adapted in any way. Operator safety may be compromised if this product is not operated and maintained in accordance with the details contained in this Owner Handbook.
- This appliance must be earthed. Do not remove the earth connection in the plug or any other location- it is essential for user safety.
- Be aware that products are mains powered and may be capable of producing high voltages from its outputs and has mains voltages inside the cabinet.

Product Installation, Use & Maintenance

- Keep this Owner Handbook safe for future reference.
- Clean the product with a clean and dry, non-abrasive cloth. Do not use solvents or liquids to clean the product.
- To prevent overheating, do not obstruct any ventilation opening, fan cover or vent. Do not install near any sources of heat such as radiators, heaters, other heat producing items such as amplifiers, power units etc.
- Power connection to the product is via a UK 240 Volt AC three-pin mains plug. Do not remove or adapt this plug. If necessary, only replace the plug top fuse with one of the same type, size and value.
- The mains lead must not be crushed or damaged. If any damage occurs, disconnect from the mains immediately. Replace the damaged cable, or if the mains lead is captive, return the product to an authorised repair centre for cable replacement. Do not attempt to repair the cable - it must be discarded and destroyed.
- To maintain the Manufacturer Warranty, only attach authorised accessories and external devices. This includes cables, connectors and other electrical and/or mechanical devices.
- Unplug the product from the mains during lightning storms or periods of mains fluctuations. If the product is going to be unused for long periods, unplug from the mains.

Product Quality & Compliance

Products from Lanta Lighting meet all required safety standards in force at the time of manufacture and are fully compliant with them.

Unpacking & Inspection

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- Inspect the packaging before opening. If the packaging appears to have sustained significant damage, please take extra care before using the product. If you are in any doubt, consult a suitably qualified professional.
- If you suspect the product has been damaged, do not use it. Return it to your original supplier without delay.
- Keep all packaging in a safe place for storage or transport in future.

Manufacturer Warranty

- This Manufacturer Warranty is valid in the UK only.
- Lanta Lighting warrants that this product is free from workmanship defects and material failure during normal use and operation for a period of 12 months from first use or from original date of sale (whichever is the earliest) providing all of the terms indicated in the warranty section have been fully complied with.
- Expressly excluded is our liability for any directly connected or indirectly connected item or items or any consequential loss associated with the failure of the product howsoever caused.
- If the product has been opened, modified, tampered with, incorrectly connected, used inappropriately or in conflict with the instructions herein, or the product model or serial number has been damaged, removed, tampered with, obliterated or made partly unreadable by any person or persons, the Manufacturer Warranty is irrevocably null and void.
- No extension, adaption, alteration or modification to the terms of this Manufacturer Warranty will be permitted, unless expressly authorised in writing (excluding email and fax) by a Director of Lanta Lighting. Warranty is transferrable during the Warranty period.

For Further Information about Lanta Lighting

Our website can be found at www.lantalighting.com and is available for the benefit of customers worldwide. Please consult for information, advice and support on this and other high quality products from Lanta.

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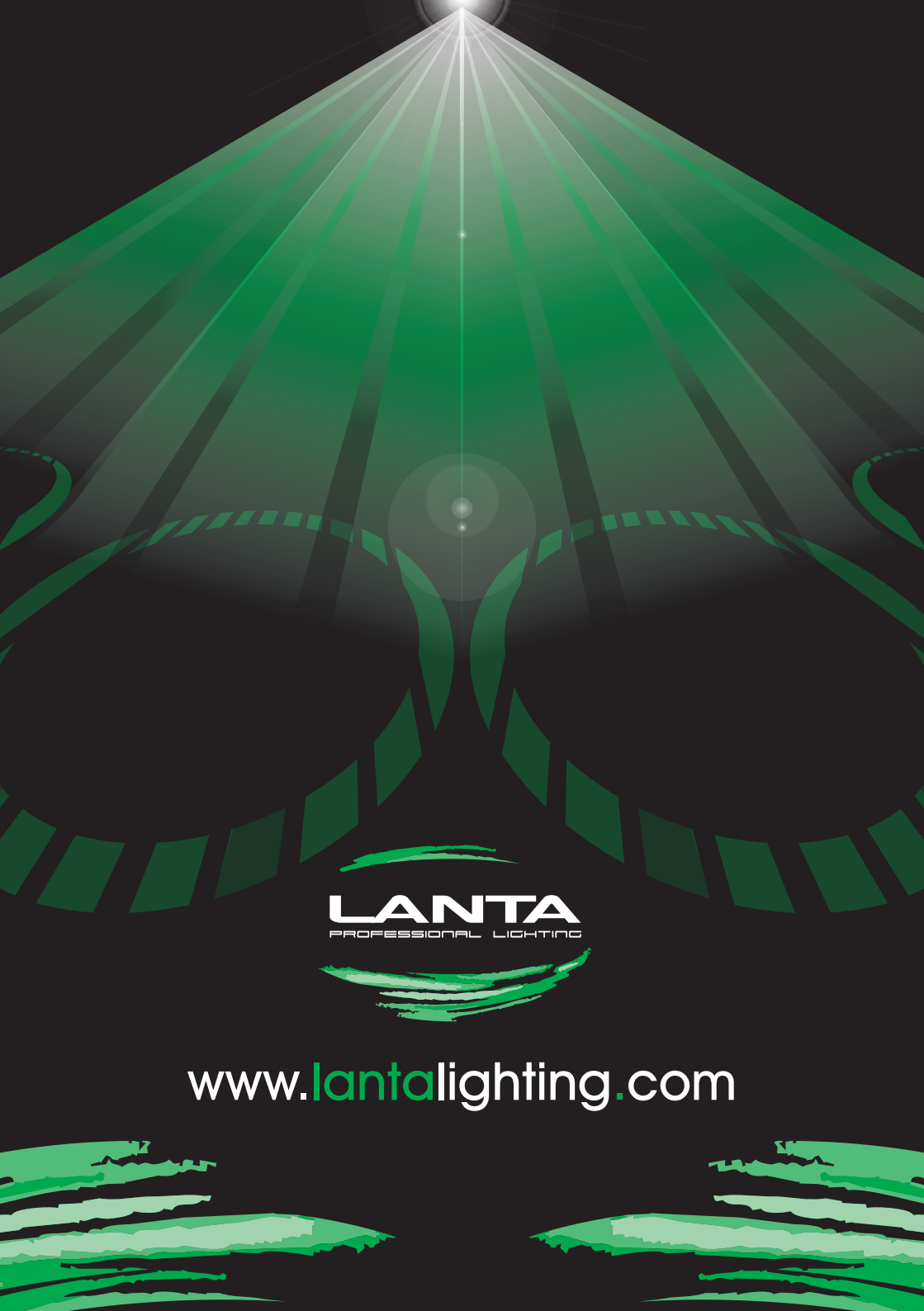
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